

Message Text

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11
ORIGIN INR-07

INFO OCT-01 EUR-12 ISO-00 OES-03 ERDA-05 DODE-00 FEA-01

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DRAFTED BY INR/STA:AMORRISSEY:JMP
APPROVED BY OES/SCI/SEP:WAROOT
EUR/SOV:SHUMPHREY
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FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

C O N F I D E N T I A L STATE 148306

E.O. 11652:
TAGS: TECH, ENG, UR
SUBJECT: POSSIBLE US-USSR COOPERATION IN LASER-FUSION
REF: MOSCOW 7777, STATE 121673

FOR SCICOUNS

1. REFTTEL STATES DURING RECENT RECEPTION A.M.PROKHOROV MENTIONED IN FRANK DISCUSSION WITH SCICOUNS THAT USSR STATE-OF-THE ART LASER OUTPUT HAS 40 KILOJOULES. THIS STATED OUTPUT IS FOUR FOLD HIGHER THAN PREVIOUSLY CREDITED TO USSR. RECOGNIZE SENSITIVITY, BUT IF OPPORTUNITY TO DISCUSS LASER OUTPUT DEVELOPS WITH PROKHOROV IN FUTURE, REQUEST ELABORATION ON 40 KILOJOULE FIGURE AS FOLLOWS:

1) WAS LASER SOLID STATE OR GAS?

2) WAS STATED VALUE A SINGLE PULSE OR TOTAL ENERGY FOR REPETITIVELY PULSED OR CW DEVICE?

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3) WHAT WAS LENGTH OF PULSE?

2. ELABORATE FURTHER, IF POSSIBLE, ON RELATIONS BETWEEN PROKHOROV AND N.G. BASOV AND THEIR RESPONSIBILITIES FOR

LASER AND LASER FUSION WORK AT LEBEDEV AND KURCHATOV. KISSINGER

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